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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/996,485	11/27/2001	Krishna Sundaresan	081862.P255	2692

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EXAMINER

SHAND, ROBERTA A

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 09/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/996,485

Applicant(s)

SUNDARESAN ET AL.

Examiner

Roberta A. Shand

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED, (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 4, 10-13, 15, 21-24, 26, 32-35, 37 and 43 are rejected under 35

U.S.C. 102(e) as being anticipated by Furutono (U.S. 6687230 B1).

3. Regarding claim 1, Furutono teaches (fig. 8) a method comprising issuing PTSE information from a node (fig. 7) the PTSE information having SIG information that describes bandwidth (fig. 29 and col. 12, lines 10-19), which has been allocated to specific priority levels of a bandwidth resource within an ATM PNNI network (col. 9, lines 16-51 and figs. 12-13).

4. Regarding claims 2, 13, 24 and 35, Furutono teaches (col. 9, lines 33-45) the bandwidth resource is the bandwidth of a link that resides within the ATM PNNI network.

5. Regarding claims 4, 15, 26 and 37, Furutono teaches (col. 9, lines 33-45) the bandwidth resource is a portion of the bandwidth of a link that resides within the ATM PNNI network.

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6. Regarding claims 10 and 32, Furutono teaches (col. 1, lines 19-30) repeatedly issuing in a periodic fashion.
7. Regarding claims 11 and 33, Furutono teaches (col. 9, lines 54 – col. 10, line 6) issuing upon a change in the bandwidth's allocation to the priority levels.
8. Regarding claim 12, Furutono teaches a method comprising: updating (fig. 7, 26) an understanding of an ATM PNNI network after reception of PTSE information having SIG information that describes bandwidth which has been allocated (fig. 29 and col. 12, lines 10-19) to specific priority levels of a bandwidth resource within the network; determining a path through the network (fig. 16) for a requested connection the path determined in light of the updated understanding, the requested connection having a priority level, wherein the path may result in one or more connections being dropped in order to allow bandwidth for the requested connection (col. 9, line 54 – col. 10, line 20).
9. Regarding claims 21 and 43, Furutono teaches (fig. 11) issuing a SETUP message in order to establish the path through the network for the requested connection.
10. Regarding claim 22, Furutono teaches (fig. 11) receiving the SETUP message and returning a CONNECT message in response.
11. Regarding claim 23, Furutono teaches (fig. 8) a machine readable medium comprising preparing PTSE information from a node (fig. 7) the PTSE information

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having SIG information that describes bandwidth (fig. 29 and col. 12, lines 10-19) which has been allocated to specific priority levels of a bandwidth resource within an ATM PNNI network (col. 9, lines 16-51 and figs. 12-13).

12. Regarding claim 34, Furutono teaches a machine readable medium comprising: updating (fig. 7, 26) an understanding of an ATM PNNI network after reception of PTSE information having SIG information that describes bandwidth which has been allocated (fig. 29 and col. 12, lines 10-19) to specific priority levels of a bandwidth resource within the network; determining a path through the network (fig. 16) for a requested connection the path determined in light of the updated understanding, the requested connection having a priority level, wherein the path may result in one or more connections being dropped in order to allow bandwidth for the requested connection (col. 9, line 54 – col. 10, line 20).

Claim Rejections - 35 USC § 103

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

14. Claims 3, 5, 14, 16, 25, 27, 36 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Furutono in view of Dolganow (U.S. 2002/0124106 A1).

15. Furutono does not teach Horizontal Link PTSE.

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16. Furutono does not teach Horizontal Link PTSE.

17. Dolganow teaches (page 5, paragraphs 61-62) Horizontal Link PTSE. It would have been obvious to one of ordinary skill in the art to adapt this to Furutono's system as it is well known in the art when communicating advertising new available bandwidth.

18. Claims 6-9, 17-20, 28-31 and 39-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Furutono in view of Asano (U.S. 6240102 B1).

19. Furutono does not teach CBR VBR, ABR and UBR.

20. Asano teaches (col. 2, lines 20-25) CBR VBR, ABR and UBR. It would have been obvious to one of ordinary skill in the art to adapt these features to Furutono's system, as it is well known in the art.

Conclusion

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberta A Shand whose telephone number is 571-272-3161. The examiner can normally be reached on M-F 9:00am-5:30pm.

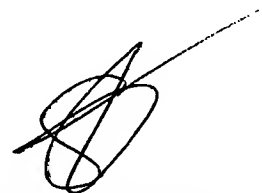
2. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on 571-272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status

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information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Roberta A Shand
Examiner
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A handwritten signature in black ink, appearing to read 'STEVEN NGUYEN', with a long horizontal line extending from the right side.

STEVEN NGUYEN
PRIMARY EXAMINER

21.